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<120> Novel Ligand

<130> PG3600

<140> PCT/EP99/07303

<141> 1999-10-05

<150> GB 9828628.9

<151> 1998-12-23

<160> 8

<170> PatentIn Ver. 2.1

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<211> 153

<212> PRT

<213> Homo sapiens

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35 40 45

Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr Phe Phe Ile Tyr
50 55 60

Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met Gly His Leu Ile
65 70 75 80

Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr
85 90 95

Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu Pro Asn Asn Ser
100 105 110

Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp Gly Leu Gln
115 120 125

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pg3600 Seq Listing.txt

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Ala Glu Leu Gln Gly His His Ala Glu Lys Leu Pro Ala Gly Ala Gly
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Ala Pro Lys Ala Gly Leu Glu Glu Ala Pro Ala Val Thr Ala Gly Leu
          100          105          110
Lys Ile Phe Glu Pro Pro Ala Pro Gly Glu Gly Asn Ser Ser Gln Asn
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Ser Arg Asn Lys Arg Ala Val Gln Gly Pro Glu Glu Thr Val Thr Gln
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Asp Cys Leu Gln Leu Ile Ala Asp Ser Glu Thr Pro Thr Ile Gln Lys
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Gly Ser Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser
          165          170          175
Ala Leu Glu Glu Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr
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Phe Phe Ile Tyr Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met
          195          200          205
Gly His Leu Ile Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu
          210          215          220
Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu
          225          230          235          240
Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly
          245          250          255
Asp Gly Leu Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Leu
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pg3600 Seq Listing.txt

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Leu Ile Ala Asp Ser Glu Thr Pro Thr Ile Gln Lys Gly Ser Tyr Thr
          20          25
ttt gtt cca tgg ctt ctc agc ttt aaa agg gga agt gcc cta gaa gaa 144
Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser Ala Leu Glu Glu
          35          40          45
aaa gag aat aaa ata ttg gtc aaa gaa act ggt tac ttt ttt ata tat 192
Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr Phe Phe Ile Tyr
          50          55          60
ggt cag gtt tta tat act gat aag acc tac gcc atg gga cat cta att 240
Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met Gly His Leu Ile
 65          70          75          80
cag agg aag aag gtc cat gtc ttt ggg gat gaa ttg agt ctg gtg act 288
Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr
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Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu Pro Asn Asn Ser
          100          105          110
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Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp Gly Leu Gln
          115          120          125
ctt gca ata cca aga gaa aat gca caa ata tca ctg gat gga gat gtc 432
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Lys Lys Arg Glu Glu Met Lys Leu Lys Glu Cys Val Ser Ile Leu Pro
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pg3600 Seq Listing.txt

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gc	gc	ac	tt	ct	ct	gc	ct	ct	tc	tg	tg	ct	ac	gt	gt	192													
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Ala	Glu	Leu	Gln	Gly	His	His	Ala	Glu	Lys	Leu	Pro	Ala	Gly	Ala	Gly														
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Asp	Gly	Leu	Gln	Leu	Ala	Ile	Pro	Arg	Glu	Asn	Ala	Gln	Ile	Ser	Leu														
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 35 40 45
 Thr Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile
 50 55 60
 Phe Ala Met Gly His Val Ile Gln Arg Lys Lys Val His Val Phe Gly
 65 70 75 80
 Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro
 85 90 95
 Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Arg Leu
 100 105 110
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 35 40 45
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 50 55 60
 Met Ser Leu Tyr Gln Leu Ala Ala Leu Gln Ala Asp Leu Met Asn Leu
 65 70 75 80
 Arg Met Glu Leu Gln Ser Tyr Arg Gly Ser Ala Thr Pro Ala Ala Ala
 Page 5

pg3600 Seq Listing.txt

85

90

95

Gly Ala Pro Glu₁₀₀ Leu Thr Ala Gly Val₁₀₅ Lys Leu Leu Thr Pro₁₁₀ Ala Ala
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 Gln Gly₁₃₀ Pro Glu Glu Thr Glu₁₃₅ Gln Asp Val Asp₁₄₀ Leu Ser Ala Pro Pro
 Ala₁₄₅ Pro Cys Leu Pro Gly₁₅₀ Cys Arg His Ser Gln₁₅₅ His Asp Asp Asn Gly₁₆₀
 Met Asn Leu Arg Asn₁₆₅ Ile Ile Gln Asp Cys₁₇₀ Leu Gln Leu Ile Ala₁₇₅ Asp
 Ser Asp Thr Pro₁₈₀ Thr Ile Arg Lys Gly₁₈₅ Thr Tyr Thr Phe Val₁₉₀ Pro Trp
 Leu Leu Ser₁₉₅ Phe Lys Arg Gly Asn₂₀₀ Ala Leu Glu Glu Lys₂₀₅ Glu Asn Lys
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 Tyr Thr Asp Pro Ile Phe₂₃₀ Ala Met Gly His Val₂₃₅ Ile Gln Arg Lys Lys₂₄₀
 Val His Val Phe Gly₂₄₅ Asp Glu Leu Ser Leu₂₅₀ Val Thr Leu Phe Arg₂₅₅ Cys
 Ile Gln Asn Met₂₆₀ Pro Lys Thr Leu Pro₂₆₅ Asn Asn Ser Cys Tyr₂₇₀ Ser Ala
 Gly Ile Ala₂₇₅ Arg Leu Glu Glu Gly₂₈₀ Asp Glu Ile Gln Leu₂₈₅ Ala Ile Pro
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 ata cga aaa gga act tac aca ttt gtt cca tgg ctt ctc agc ttt aaa 96
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 20

pg3600 Seq Listing.txt

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50 55 60	
ttt gct atg ggt cat gtc atc cag agg aag aaa gta cac gtc ttt ggg	240
Phe Ala Met Gly His Val Ile Gln Arg Lys Lys Val His Val Phe Gly	
65 70 75 80	
gac gag ctg agc ctg gtg acc ctg ttc cga tgt att cag aat atg ccc	288
Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro	
85 90 95	
aaa aca ctg ccc aac aat tcc tgc tac tcg gct ggc atc gcg agg ctg	336
Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Arg Leu	
100 105 110	
gaa gaa gga gat gag att cag ctt gca att cct cgg gag aat gca cag	384
Glu Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln	
115 120 125	
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Ser Glu Lys Gly Glu Asp Met Lys Val Gly Tyr Asp Pro Ile Thr Pro	
20 25 30	
cag aag gag gag ggt gcc tgg ttt ggg atc tgc agg gat gga agg ctg	144
Gln Lys Glu Glu Gly Ala Trp Phe Gly Ile Cys Arg Asp Gly Arg Leu	
35 40 45	
ctg gct gct acc ctc ctg ctg gcc ctg ttg tcc agc agt ttc aca gcg	192
Leu Ala Ala Thr Leu Leu Leu Ala Leu Leu Ser Ser Ser Phe Thr Ala	
50 55 60	
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Met Ser Leu Tyr Gln Leu Ala Ala Leu Gln Ala Asp Leu Met Asn Leu	
65 70 75 80	

pg3600 Seq Listing.txt

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85 90 95	
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Gly Ala Pro Glu Leu Thr Ala Gly Val Lys Leu Leu Thr Pro Ala Ala	
100 105 110	
cct cga ccc cac aac tcc agc cgc ggc cac agg aac aga cgc gct ttc	384
Pro Arg Pro His Asn Ser Ser Arg Gly His Arg Asn Arg Arg Ala Phe	
115 120 125	
cag gga cca gag gaa aca gaa caa gat gta gac ctc tca gct cct cct	432
Gln Gly Pro Glu Glu Thr Glu Gln Asp Val Asp Leu Ser Ala Pro Pro	
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145 150 155 160	
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Met Asn Leu Arg Asn Ile Ile Gln Asp Cys Leu Gln Leu Ile Ala Asp	
165 170 175	
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Ser Asp Thr Pro Thr Ile Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp	
180 185 190	
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195 200 205	
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210 215 220	
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Tyr Thr Asp Pro Ile Phe Ala Met Gly His Val Ile Gln Arg Lys Lys	
225 230 235 240	
gta cac gtc ttt ggg gac gag ctg agc ctg gtg acc ctg ttc cga tgt	768
Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys	
245 250 255	
att cag aat atg ccc aaa aca ctg ccc aac aat tcc tgc tac tcg gct	816
Ile Gln Asn Met Pro Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala	
260 265 270	
ggc atc gcg agg ctg gaa gaa gga gat gag att cag ctt gca att cct	864
Gly Ile Ala Arg Leu Glu Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro	
275 280 285	
cgg gag aat gca cag att tca cgc aac gga gac gac acc ttc ttt ggt	912
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Ala Leu Lys Leu Leu	
305	